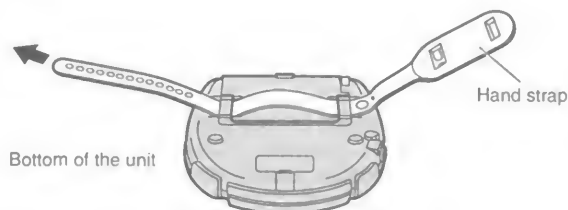


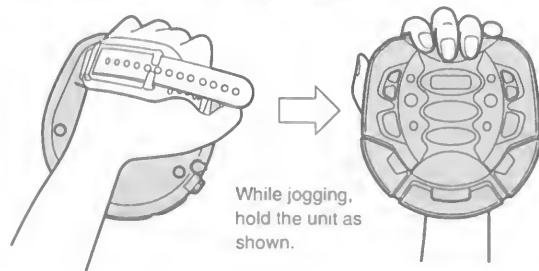
Attaching the hand strap

Attach the included hand strap to make it easier to carry while jogging.

- 1 Thread the strap through the loops on the bottom of the unit.



- 2 Adjust the buckle and fix it in place.



Portable CD Player

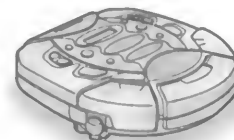
Panasonic®

Dear Customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully.

Operating Instructions

Model No.
SL-SW650V



The model number and serial number of this product can be found on either the back or the bottom of the unit. Please note them in the space provided below and keep for future reference.

MODEL NUMBER SL-SW650V
SERIAL NUMBER _____

Supplied Accessories

Check the packing carton for these accessories.

Clip headphones 1 pc. Hand strap 1 pc.
(L0BAE0000025) (RGQT0006-K)

Use numbers indicated in parentheses when asking for replacement parts.
(Only for U.S.A.) To order accessories contact 1-800-332-5368 or web site
(<http://www.panasonic.com>).

Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.



Panasonic Consumer Electronics Company,
Division of Matsushita Electric Corporation of America
One Panasonic Way Secaucus, New Jersey 07094 <http://www.panasonic.com>
Panasonic Sales Company, Division of Matsushita Electric of
Puerto Rico, Inc. ("PSC")
Ave. 65 de Infantería, Km. 9.5 San Gabriel Industrial Park, Carolina, Puerto Rico 00985
Panasonic Canada Inc.
5770 Ambler Drive, Mississauga, Ontario L4W 2T3 www.panasonic.ca
© 2001 Matsushita Electric Industrial Co., Ltd.



RQT5878-P
F0101YH0
Printed in Japan

Precautions

Before using this unit, be sure to read the applicable items of the operating instructions and these safety suggestions carefully. Afterwards keep them handy for future reference. Take special care to follow the warnings indicated on the unit itself as well as in the operating instructions.

Safety

1. **Power Source**—The unit should be connected to power supply only of the type described in the operating instructions or as marked on the unit. Use only the AC adaptor or car adaptor described in the operating instructions when recharging.
2. **Polarization**—If the unit is equipped with a polarized AC power plug (a plug having one blade wider than the other), that plug will fit into the AC outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
3. **Care of AC adaptor**—Take care that the cord of the AC adaptor should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Never take hold of the AC adaptor if your hand is wet, and always grasp the plug body when connecting or disconnecting it.
4. **Nonuse Periods**—When not in use, be sure to disconnect the AC adaptor from the AC power outlet.
5. **Batteries**—If the set is not used for a long period of time or is used only from an AC power source, remove all the batteries to prevent potential damage due to possible battery leakage. Do not mix batteries (old and new) or different types of batteries.

Installation

Environment

1. **Water and Moisture**—Do not use this unit near water—for example, near a bathtub, washbowl, swimming pool, or the like. Damp basements should also be avoided.
2. **Condensation**—Moisture may form on the lens in the following conditions...
 - immediately after a heater has been turned on.
 - in a steamy or very humid room.
 - when the unit is suddenly moved from a cold environment to a warm one. If moisture forms inside this unit, it may not operate properly. To correct this problem wait about one hour for the moisture to evaporate.
3. **Heat**—Never use or place this unit near a heat source. Do not leave it in an automobile exposed to direct sunlight for a long time with the doors and windows closed as this may deform the cabinet.

Placement

1. **Foreign Material**—Care should be taken so that objects do not fall into and liquids are not spilled into the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration, or shock.
2. **Magnetism**—The unit should be situated away from equipment or devices that generate strong magnetic fields.
3. **Stacking**—Do not place any objects, on top of the unit.
4. **Wall or Ceiling Mounting**—The unit should not be mounted to a wall or ceiling, unless specified in this operating instructions.

Maintenance

(See page 5 for details.)

Clean the cabinet, panel and controls with a soft cloth lightly moistened with mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzene.

Service

1. **Damage Requiring Service**—The unit should be serviced by qualified service personnel when:
 - (a) The AC adaptor is damaged; or
 - (b) Objects have fallen or liquid has been spilled into the unit; or
 - (c) The unit has been exposed to rain; or
 - (d) The unit does not appear to operate normally or exhibits a marked change in performance; or
 - (e) The unit has been dropped, or the enclosure damaged.
2. **Servicing**—The user should not attempt to service the unit beyond that described in the operating instructions. All other servicing should be referred to an authorized service personnel.

In the U.S.A., contact the Panasonic Customer Call Center at 1-800-211-7262, or e-mail consumerproducts@panasonic.com, or web site (<http://www.panasonic.com>).
In Canada, contact Panasonic Canada Inc. Customer Care Centre at 905-624-5505, or web site (www.panasonic.ca), or an authorized Servcentre nearest you.



This manual was printed with soy based ink.

Power Supply Preparations

Refer to the specifications (page 8) for information on operating times when using rechargeable batteries or dry cell batteries

Important-note-about-the-memory, and the power supply,

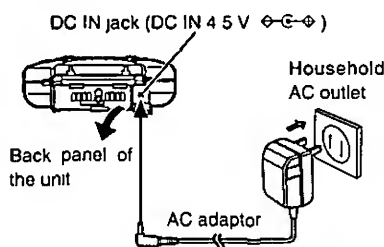
To preserve the contents of the memory, ensure the unit has a constant supply of power

- Turn the unit off before changing the batteries and before connecting or disconnecting the AC adaptor
- The unit can maintain the memory without power for about one minute. Change batteries or reconnect the AC adaptor within this time
- As a precaution, insert batteries even when using the AC adaptor or car adaptor

Using the AC adaptor (not included)

Be sure to obtain the optional AC adaptor
Optional AC adaptor RP-AC46

Open the rubber cap and connect the AC adaptor



Conserving power

To save power when the unit is not to be used for a long time, unplug the AC adaptor from the household AC outlet

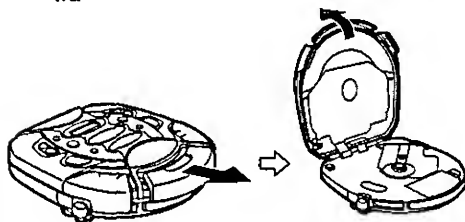
Using the rechargeable batteries (not included)

Recharge the batteries before using them. The unit cannot be used to charge rechargeable batteries other than those specifically designed for it

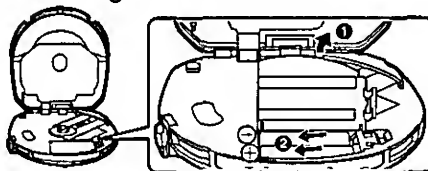
Optional batteries P-3GAVA/2B

Recharging procedure

- 1 Pull the lock release and open the lid



- 2 Open the battery lid, and insert the rechargeable batteries



Be sure to close the battery lid properly

- 3 Open the rubber cap and connect the AC adaptor

(Refer to "Using the AC adaptor" for connection instructions)

Recharging starts and the "CD" charging indicator flashes on the display

When the rechargeable batteries are fully recharged the charging indicator disappears

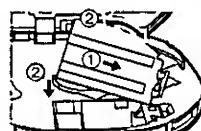
- 4 When recharging is complete, disconnect the AC adaptor from the unit's DC IN jack and the household AC outlet

Note

- Never mix dry cell and rechargeable batteries
- Rechargeable batteries have a service life of approximately 300 charge-discharge cycles. The batteries have reached the end of their operational life if they last for a noticeably shorter time after recharging, or if they cannot be recharged at all. Replace the batteries.
- Recharging may only be performed when the unit is off
- The AC adaptor and rechargeable batteries may become warm while recharging is in progress. This is not a malfunction
- Leaving the AC adaptor connected can cause the batteries to go flat. After recharging the batteries and disconnecting the AC adaptor from the household AC outlet, ensure you disconnect the adaptor from the unit's [DC IN 4.5 V] terminal

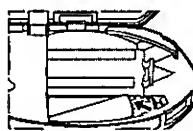
If the battery lid comes loose

- ① Insert the right-side hinge into its hole
- ② Slightly bend the lid and insert the left-side hinge into its hole



Removing batteries

Push up on the battery in the direction indicated by the arrow, then lift out

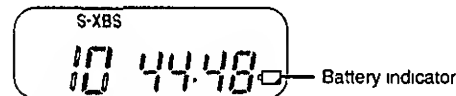


Using dry cell batteries (not included)

After disconnecting the AC adaptor, insert two "AA" (LR6) alkaline batteries

The procedure for inserting and removing dry cell batteries is identical to that for rechargeable batteries

Battery indicator



This indicator flashes when the batteries are almost out of power. Power is cut off a short while later. Recharge the rechargeable batteries or replace the dry cell batteries with new ones

Note

- How long the unit continues to operate after the battery indicator starts flashing depends on the type of batteries and on whether you are using the unit to play CDs or the radio
- The battery indicator may not flash if rechargeable batteries other than those designated by Panasonic are used

Using the car adaptor (not included)

Be sure to obtain the car adaptor (SH-CDC9), available as an optional accessory

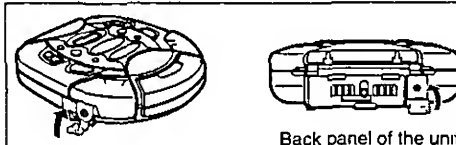
CAUTION:

Use only car adaptor, Model SH CDC9 manufactured by Matsushita Electric Industrial Co. Ltd

The car adaptor can be used to recharge the unit's batteries while in the car

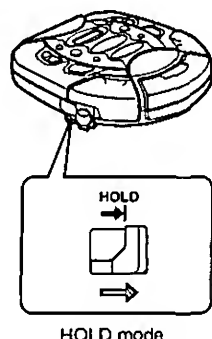
If the unit malfunctions or freezes during use, disconnect the power source (the AC adaptor or batteries)

Re-connect the power source and continue operation



Be sure to cover the headphone jack and DC IN jack with the rubber caps when they are not in use

HOLD Function



This function enables the unit to ignore accidental button presses (The disc lid can still be opened and closed)

HOLD function prevents the following

- The unit is powered on accidentally when not in use causing the batteries to run down
- A button is accidentally pressed during play interrupting the operation

To use the HOLD function

Set [HOLD] to the HOLD position

"ho i d" Indication

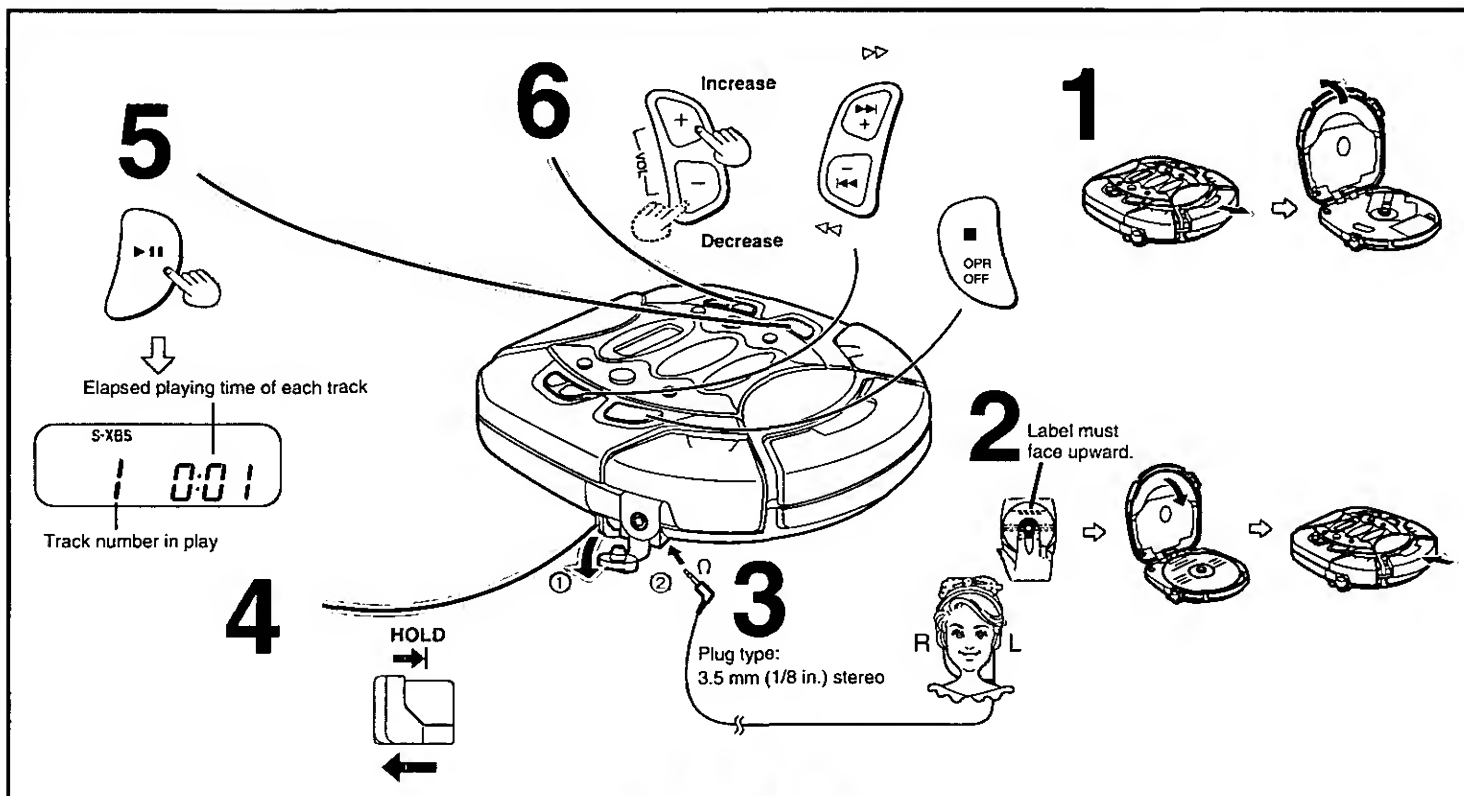
When the unit HOLD function is on, pressing any button causes the indication "ho i d" to appear on the display

When the unit is off

"ho i d" appears only when [▶||] or [RADIO/BAND] is pressed

Before operating the buttons

Be sure to move [HOLD] to release the unit from the HOLD mode



1 Pull the lock release and open the lid.

2 Insert the disc. Close the lid and push the lock release into place.

3 Connect the clip headphones to [③]. (Plug in firmly.)

■ Using the clip headphones



① Press on the base of the clip to open it.

② Fit the clip from behind so the upper hook comes slightly over the top of the ear and the lower hook fits just behind the earlobe.

4 Release [HOLD].

5 Press [▶||] to start play.

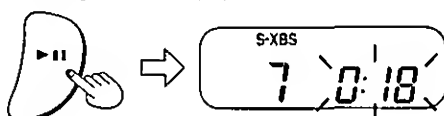
(Play stops automatically when all the tracks have been played.)

6 Adjust the volume.

- The volume range is 0-25. (Press and hold to change the volume successively.)
- The volume changes when pressed while the level is displayed. If any other display is shown, it changes to show the current level. (The volume returns to 10 when you disconnect the power source.)
- If the unit has been connected to the car audio system, set this unit's volume to 10, then adjust the volume level on the system.

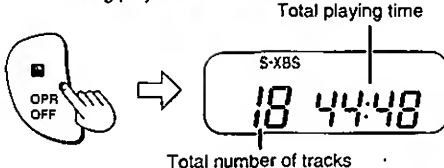
■ To pause play

Press during play.
(Press again to restart play.)



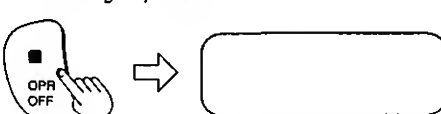
■ To stop play Stop mode

Press during play.



■ To turn off the unit Off mode

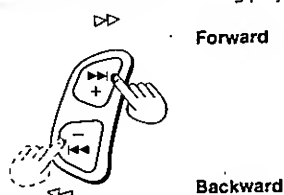
Press during stop mode.



■ Skip / Search function

Skip : Press during play. (Press [⏮] twice to skip to the beginning of the previous tracks.)

Search : Press and hold during play.



• During program play (page 4), these buttons are used to skip forward or backward through the programmed sequence of tracks.

• You cannot skip to tracks that have been played in random or random repeat play (page 4).

• During program play, 1-track repeat play, random play and random repeat play (page 4), search operation is limited to the current track only.

For your reference:

"no disc" indication

This indication appears for about 30 seconds if [▶||] is pressed when no disc is loaded in the unit or if the disc is not properly secured.

"open" indication

This indication appears for about 10 minutes when the lid is opened. (However, the indication does not appear when the unit is powered off.)

Resume function

The unit stores the track where you stopped play and if you press [▶||], play resumes from the beginning of the track.

The resume function is canceled (play starts from the first track) if you open the lid when the unit is in stop mode. It is also usually canceled when you replace the CD while the unit is in stop mode.

Note

- If you turned the unit off near the end of the track, play may resume from the beginning of the next track.
- The resume function works automatically and cannot be turned off.

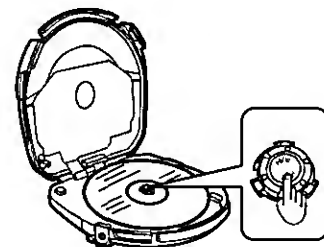
Removing discs

1 Press [■, OPR OFF] to stop play and disc rotation.

2 Pull the lock release to open the lid.

3 Press [PUSH] to release the disc.

Do not stop the disc by hand or try to remove it before it stops rotating. This can damage CDs.



Note

Never insert foreign objects into the unit.

Auto-off function

If you leave the unit in stop mode for about 10 minutes (30 seconds if disc is not loaded), it turns off to save the batteries.

Note on CD-R and CD-RW

This unit can play CD-DA format audio CD-R and CD-RW that have been finalized* upon completion of recording. It may not be able to play some CD-R or CD-RW due to the condition of the recording.

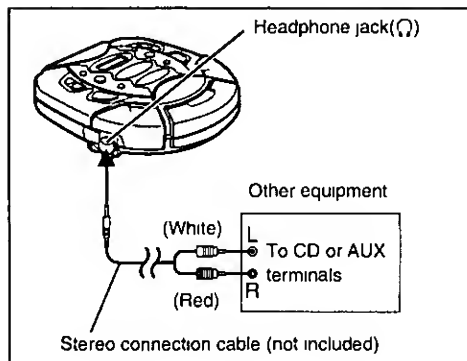
*Finalizing is a process that enables CD-R/CD-RW players to play audio CD-R and CD-RW.

Using the Unit with Optional Accessories

Using the unit with an audio system

Using the stereo connection cable (not included), you can listen to CDs on your audio system

- Turn off this unit and the other equipment before connection
- Do not connect the cable to the PHONO jacks on the amplifier
- Obtain the optional connecting cable if the other equipment comes with mini-phone jacks
- Set this unit's volume to 10, then adjust the volume on the other equipment



Using the unit with a car audio system

Items to be purchased

For connection to the car audio system

- Car stereo cassette adaptor (SH-CDM10A)

Connect the car stereo cassette adaptor to the unit's headphone jack
(When doing this, set this unit's volume to 10)

For securing the unit and connecting the power supply

- Car adaptor (SH-CDC9)
- Car mounting kit (SH-CDF20)

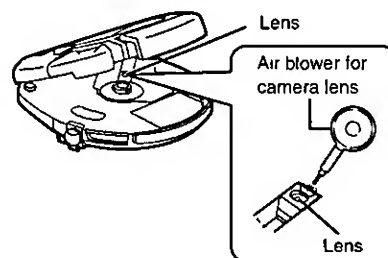
Note

- Insert batteries even when using the car adaptor to ensure a constant power supply for the unit's memory
- When you switch off the car, volume and sound quality may return to the original settings and the resume function may work even if you change the disc
- It may not be possible to use the unit with some types of car stereo owing to restrictions imposed by the construction of the car stereo cassette adaptor
- Move the unit away from the car adaptor if noise interferes with the radio

For further details, refer to the instructions of the part concerned

Maintaining the Lens

Open the lid and clean the lens as shown in the figure
Use a cotton swab to gently wipe off any fingerprints
Recommended product: Lens cleaner kit (SZZP1038C)



Panasonic Consumer Electronics Company Division of Matsushita Electric Corporation of America
One Panasonic Way
Secaucus, New Jersey 07094

ONLY FOR U.S.A. Panasonic/Technics Audio Products Limited Warranty

Panasonic Sales Company Division of Matsushita Electric Corporation of Puerto Rico, Inc.
Ave. 65 de Interloma Km. 9.5
San Gabriel Industrial Park
Carolina, Puerto Rico 00985

Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will repair this product with new or refurbished parts in the event of a defect in materials or workmanship, free of charge in the U.S.A. or Puerto Rico as follows (all time periods start from the date of original purchase):

AUDIO PRODUCTS—labor and parts for one (1) year

ALL AUDIO RACKS (cabinets)—parts only 30 days

TECHNICS STAND ALONE SPEAKERS, SUBWOOFER SPEAKERS—labor and parts for three (3) years

USB READER-WRITER, PERSONAL COMPUTER CARD ADAPTERS—(when applicable)—exchange defective unit with a new or refurbished one for one (1) year

ACCESSORIES—HEADPHONES, CARTRIDGES,

MICROPHONES, ADAPTERS—labor and parts for ninety (90) days

RECHARGEABLE BATTERIES—(when applicable)—exchange defective item for new one for ten (10) days. Non-rechargeable batteries are not warranted.

SD MEMORY CARDS, RECHARGEABLE BATTERY PACKS—(when applicable)—exchange defective item for new one for ninety (90) days. Non-rechargeable battery packs are not warranted.

Carry-in or mail in service in the U.S.A. can be obtained during the warranty period by contacting a Panasonic Services Company (PASC) Factory Servicenter listed in the Servicenter Directory. Or call toll free 1 800 211 7262 to locate a PASC authorized Servicenter. Carry in or mail-in service in Puerto Rico can be obtained during the warranty period by calling the Panasonic Sales Company telephone number listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty service is rendered.

This warranty only covers failures due to defects in materials and workmanship

which occur during normal use and does not cover normal wear to the stylus (when applicable) or a dealer installed cartridge or stylus. The warranty does not cover damages which occur in shipment or failures which are caused by products not supplied by the warrantor or failures which result from accident, misuse, abuse, neglect, mishandling, faulty installation, misapplication, set up adjustments, maladjustment of consumer controls, improper operation or maintenance, improper antenna, inadequate signal reception or pick up, alteration, modification, power line surge, improper voltage supply, lightning damage, commercial use such as hotel, office, restaurant or other business or rental use of the product or service by anyone other than a PASC Factory Servicenter or a PASC authorized Servicenter, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING WITH OUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Consumer Affairs Department at the company address indicated above.

If you ship the product

Carefully pack and send it prepaid, adequately insured and preferably in the original carton. Attach a postage-affixed letter, detailing the complaint, to the outside of the carton.

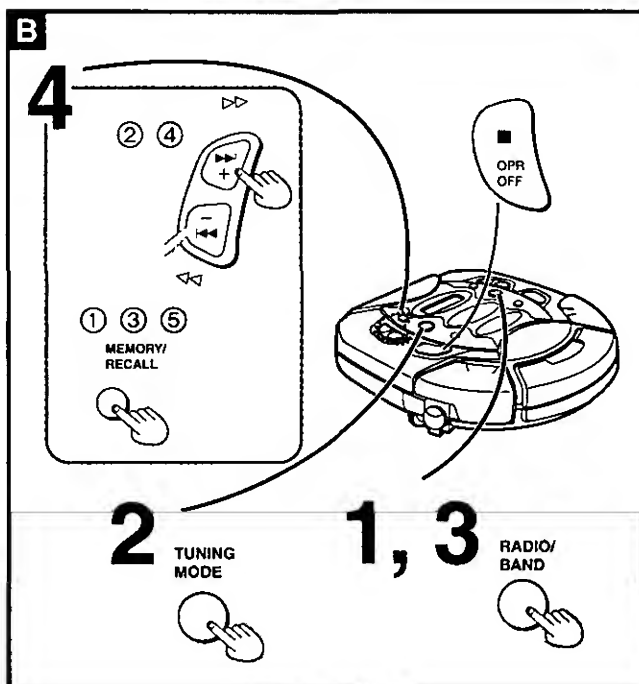
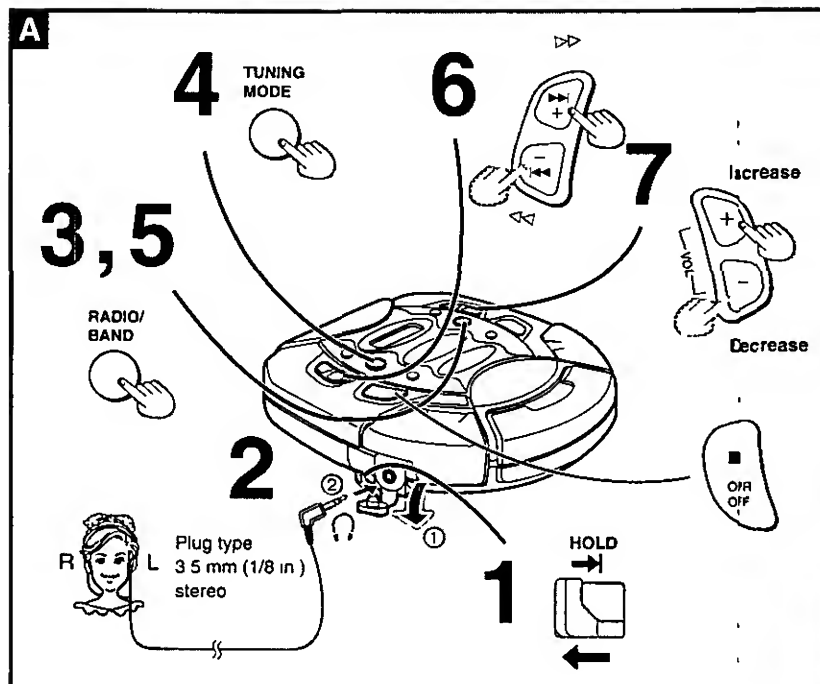
Do NOT send the product to the Executive or Regional Sales offices. They are NOT equipped to make repairs.

Customer's Record

Model No. _____
Serial No. _____
or _____
Code No. _____
Date of Purchase _____

Dealer's Name _____
Dealer's Address _____

Listening to the Radio



Listening Operation

You can tune directly to the station in **Free Mode** by finding the station's frequency, or you can store the station in **Memory Mode** to make tuning simpler. You can choose these modes with [TUNING MODE].

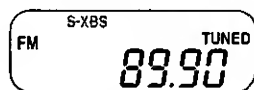
A Free Mode

- 1 Release [HOLD].
- 2 Connect the clip headphones to [] (Plug in firmly)
■ Using the clip headphones



- 1 Press on the base of the clip to open it
- 2 Fit the clip from behind so the upper hook comes slightly over the top of the ear and the lower hook fits just behind the earlobe
- 3 Press [RADIO/BAND] to turn on the radio
- 4 Press [TUNING MODE] to set to Free Mode.

The display in Free Mode is as follows



- 5 Press [RADIO/BAND] to change the band
Each time the button is pressed,
FM ↔ AM
- 6 Press [] +, [] - to select the frequency of the station
+ increases frequency
- decreases frequency

For your reference

- Press for over 1.5 seconds to make the frequency change rapidly
- "TUNED" is displayed when a station is tuned

- 7 Adjust the volume

■ To turn off the radio

Press [■, OPR OFF]

Memory Mode

B Putting stations into the channels

Frequencies of up to 30 stations can be stored, 20 FM and 10 AM

Preparation

- Release [HOLD]
- Connect the clip headphones as they act as an FM antenna

- 1 Press [RADIO/BAND] to turn on the radio.
- 2 Press [TUNING MODE] to set to Memory Mode
The display in Memory Mode is as follows



- 3 Press [RADIO/BAND] to change the band.
Each time the button is pressed,
FM ↔ AM
- 4 Put stations into the channels of your choice

① Press [MEMORY/RECALL]

The frequency number flashes

② Within 10 seconds

Press [] +, [] - to select the frequency to be memorized

③ Within 10 seconds

Press [MEMORY/RECALL]

The memory number flashes

④ Within 10 seconds

Press [] +, [] - to select the memory number to store the frequency

FM station up to 20
AM station up to 10

⑤ Within 10 seconds

Press [MEMORY/RECALL] to confirm the memory setting.

- Press [] +, [] - for over 1.5 seconds to make the frequency or memory number change in succession
- "TUNED" is displayed when a station is tuned

Important

After putting stations into channels, ensure the unit has a constant power supply. Leaving it without batteries or AC power for more than one minute can clear the memory.

■ Recalling preset stations

Preparation

- Release [HOLD]
- Connect the clip headphones to []
- Perform steps 1-3 of "Putting stations into the channels"

- 1 Press [] +, [] - to select the desired station
Memory number and broadcast frequency changes

- 2 Adjust the volume

■ To erase unnecessary preset stations from the memory

Preparation

Perform steps 1-3 of "Putting stations into the channels"

- 1 Press [] +, [] - to select the memory number to be erased

- 2 ① Press [MEMORY/RECALL]

The frequency number flashes

② Within 10 seconds

Press and hold [MEMORY/RECALL] until "-- --" flashes

③ Within 10 seconds

Press [MEMORY/RECALL] to erase the memory number.

The memory number of the next preset station appears on the display

■ To put a station into a channel you erased

Repeat the procedure described at left

■ To turn off the radio

Press [■, OPR OFF]

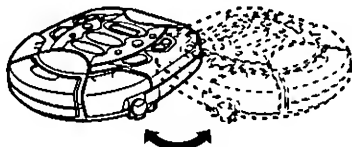
Listening to the Radio

The letters such as ❶ in the various illustrations refer to the descriptions in the "Location of Controls" section (See page 4)

To obtain good reception

AM

Try various directions to obtain optimum reception



Note

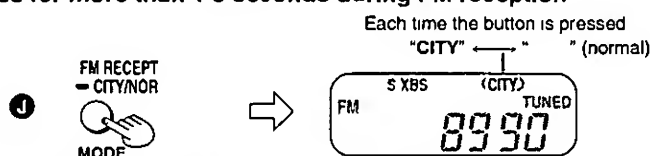
The AM antenna is located in the lid of the unit so noise may increase if the unit is held. This is not malfunction.

FM

The clip headphones cord is also the FM antenna so extend it rather than leaving it coiled.

How to receive an FM broadcast clearly

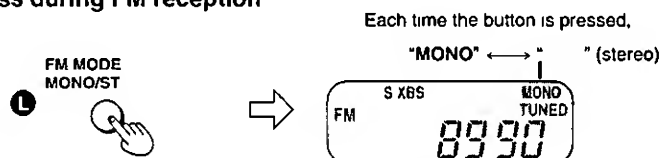
Press for more than 1.5 seconds during FM reception



Leave off under normal conditions. Set to "CITY" if reception is poor or if there is interference from another station.

To select stereo or monaural FM

Press during FM reception



When there is noise during FM reception

Select "MONO"

Sound becomes monaural, but noise is reduced.

Concerning Compact Discs



Only compact discs bearing this mark can be used with this unit.

However, continued use of irregular shaped CDs can damage the unit.

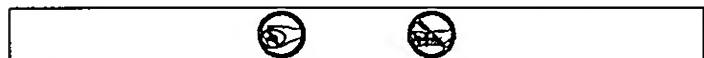


How to remove a disc from its case

How to store the disc in its case

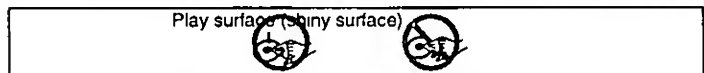


How to hold a disc



If the surface is dirty

Wipe it with a damp cloth and then wipe dry. Wipe from the center toward the outer circumference.



Handling precautions

- If you are taking the CD from a cold to a warm environment, moisture may form on the CD. Wipe this off with a soft, dry, lint-free cloth before using the CD.
- Do not write on the label side with a ball-point pen or other writing instrument.
- Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent.
- Do not attach labels or stickers to CDs. (Do not use CDs with exposed adhesive from tape or left over peeled off stickers.)
- Do not use scratch-proof protectors etc.

Storage precautions

Be sure to store CDs in their cases to protect them from dust, scratches, and warping.

Do not place or store CDs in the following places:

- Locations exposed to direct sunlight
- Humid or dusty locations
- Locations directly exposed to a heat vent or heating appliance
- In the glove compartment or on the rear deck of an automobile

The product you have purchased is powered by a nickel-cadmium battery which is recyclable. Please call 1-800-8-BATTERY for information on how to recycle this battery.

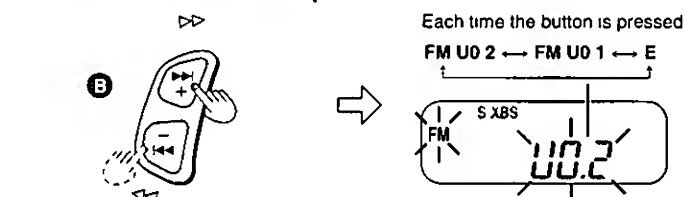
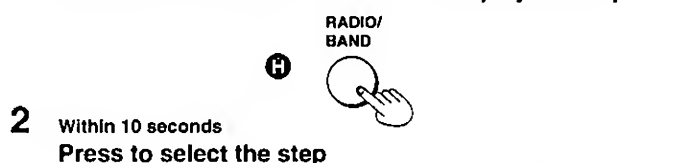


When using overseas

Change the frequency step according to the area.

Preparation Press [RADIO/BAND] to switch on the power.

1 Press for more than 5 seconds to display the step.

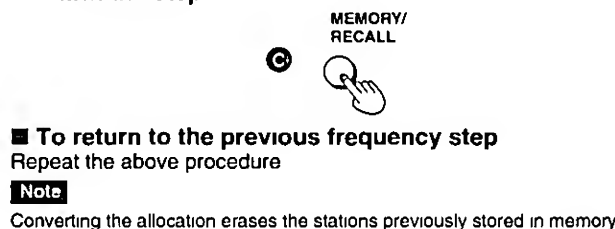


FM U0 2 (original setting) FM 0.2 MHz, AM 10 kHz

FM U0 1 FM 0.1 MHz, AM 10 kHz

E FM 0.05 MHz, AM 9 kHz

3 Within 10 seconds, Press and hold until the frequency is displayed to confirm the step.



To return to the previous frequency step

Repeat the above procedure.

Note

Converting the allocation erases the stations previously stored in memory.

Changing the sound quality

The operation is the same as when playing CDs (See page 4).

CAUTION!

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPLIANCE TO RAIN, SPLASHING, DRIPPING OR MOISTURE.

THE FOLLOWING APPLIES ONLY IN THE U.S.A.

CAUTION:

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Specifications

CD SECTION

■Audio

No. of channels 2 (left and right, stereo)
Frequency response 20 to 20,000 Hz
(+0 dB to -8 dB)
DA converter 1 bit, MASH
Headphone
output level RMS max 6 mW+6 mW/
16 Ω (adjustable)

■Pickup

Light source Semiconductor laser
Wavelength 780 nm

RADIO SECTION

■Frequency

Radio frequency FM, 87.9–107.9 MHz
(0.2 MHz steps)
87.5–108.0 MHz
(0.1 MHz/0.05 MHz steps)
AM, 520–1710 kHz
(10 kHz steps)
522–1629 kHz
(9 kHz steps)

GENERAL

Power supply DC 4.5 V with optional
AC adaptor RP-AC46

Dimensions
(W×H×D) 134×31.9×140.3 mm
(5 1/8"×1 1/4"×5 1/2")

Mass 341 g (12.0 oz)
(with batteries)
297 g (10.5 oz)
(without batteries)

Operational temperature
range 0 °C–40 °C
(32 °F–104 °F)

Rechargeable temperature
range 5 °C–40 °C
(41 °F–104 °F)

Play time

[Approximate operating time in hours (in
hold mode with S-XBS canceled, at
25 °C (77 °F) on a flat, stable surface)]

Batteries used	CD	RADIO
2 alkaline batteries	25	75
2 optional rechargeable batteries (P-3GAVA/2B)	11	30

- The play time may be less depending
on the operating conditions
- Play time will be considerably reduced
when playing CD-RW

Recharging time About 5 hours

Note

Specifications are subject to change
without notice
Mass and dimensions are approximate

Troubleshooting Guide

Before requesting service, make the below checks. If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem

In the U.S.A., contact the Panasonic Customer Call Center at 1-800-211-7262, or e-mail consumerproducts@panasonic.com, or web site (<http://www.panasonic.com>)
In Canada, contact Panasonic Canada Inc. Customer Care Centre at 905-624-5505, or web site (www.panasonic.ca), or an authorized Servicer nearest you

Problem	Check this
Cannot close the lid	Is the disc properly secured in place?
Cannot play discs	<ul style="list-style-type: none"> • Is the unit in HOLD mode? • Is the disc properly secured in place? • Is the disc dirty or scratched? • Is there condensation on the lens? (Wait for about one hour and then try again.)
Tracks on disc do not play in order, starting with the first track	<ul style="list-style-type: none"> • Is the random play mode on? • Did you stop play in the middle of the disc last time?
Cannot hear music—too noisy	<ul style="list-style-type: none"> • Is the headphones plug inserted all the way? • Is the plug dirty? (Wipe away dirt on plug.) • Separate the unit from mobile phones
TV picture is distorted Radio reception is noisy	Are you using the unit too near a TV or tuner? (Keep the unit away from the TV or tuner.)
No reception The FM frequency range is different	Has the frequency step been set for your area?

Cautions

Water Resistant (Splash Proof)

This unit is splash proof and is not designed to be used under water.

Please note the following points to avoid possible damage to the unit and the included headphones:

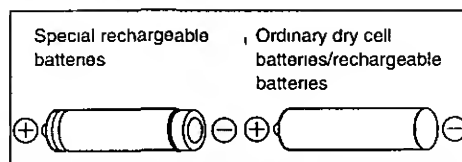
- Do not immerse in water
- Do not splash water onto the unit
- Water in the headphones jack and DC IN jack may damage the unit. Cover them with the attached rubber caps when they are not in use.
- To prevent water from entering the unit, push the lock release into place to close the lid.
- If the unit or the headphones get wet with water or sweat dry them with a soft cloth.
- Do not open the disc lid near water or sand. Before opening or closing the disc lid, be sure to wipe off water, dust or sand on the unit and operate with a dry hand.
- Make sure there is no sand or dust around the disc lid. The disc lid will not seal properly if there is, and water may get into the unit, possibly causing a malfunction.
- Do not expose the unit or the headphones to salt water. If the unit and headphones are immersed in salt water, wash them with a little fresh water then dry with soft cloth. Never wash them under running water.
- Do not place the unit and the headphones for a long period of time in high temperature and high humidity areas such as bathrooms or damp basements, etc.
- The lock release may freeze in low temperatures. Allow the unit to return to the operational temperature range (0 °C–40 °C, 32 °F–104 °F) before opening the lock release.

Selection and care of rechargeable / dry cell batteries

■ Selection

As a safety precaution the portable CD players made by Panasonic are constructed so it is impossible to recharge ordinary batteries.

Only batteries especially designed for this unit can be recharged. Special rechargeable Ni-Cd batteries P-3GAVA/2B (set of 2). For details, check with your dealer.



- If rechargeable battery play time is shorter after recharging, the batteries have reached the end of their service life. Replace them with the recommended replacements.
- Play time may be shorter than usual after recharging batteries for the first time or after they have been unused for a long time. Repeatedly recharge and discharge the batteries if this occurs to restore them to normal.

■ Care

- To prevent battery damage, electrolyte leakage and short-circuiting, heed the following points:
- Do not peel off the covering on batteries and do not use if the covering has been peeled off.
- Align the poles (+) and (-) correctly when inserting the batteries.
- Do not mix different types or makes of batteries or old and new batteries.
- Remove the batteries if you do not intend to use the unit for a long time.
- Do not throw into fire, short-circuit, disassemble or subject to excessive heat.
- Do not attempt to recharge dry cell batteries.
- Do not allow metal objects to touch the battery terminals as this may cause short-circuiting which is dangerous.
- When carrying batteries in a pocket or bag, ensure no metal objects such as necklaces are placed together with them. Contact with metal may cause short-circuiting which can cause a fire.

When driving a car

In the interest of traffic safety, do not operate the unit while driving.

Listening caution



Do not play your headphones or earphones at a high volume. Hearing experts advise against continuous extended play. If you experience a ringing in your ears, reduce volume or discontinue use.

Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.

You should use extreme caution or temporarily discontinue use in potentially hazardous situations.

Even if your headphones or earphones are the open air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing.

Guard against this by setting your equipment at a safe level. BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly and without distortion.
- Once you have established a comfortable sound level:
- Leave it there.

Discontinue use if you experience discomfort with the headphones or earphones. Continued use may cause rashes or other allergic reactions.

Product Service

Do not attempt to remove the cover(s) or repair the unit yourself. Refer servicing to qualified personnel only.

Product information

For product service, product information or assistance with product operation, refer to the servicer directory.